

MIS03# 01043		.5 or 1.0 credits		Agricultural Mechanics Technology I	
<b>Agriculture, Food, and Natural Resources (AG)</b>		CCTC Cluster	CCTC Pathway	Career Ready Practices	
Analyze how issues, trends, technologies, and public policies impact systems in the AFNR Career Cluster		AG.1			
Evaluate the nature and scope of the AFNR Career Cluster and the role of AFNR in society and the economy.		AG.2			
Examine and summarize the importance of health, safety, and environmental management systems in AFNR businesses.		AG.3			
Demonstrate stewardship of natural resources in AFNR activities.		AG.4			
Describe career opportunities and means to achieve those opportunities in each of the AFNR Career Pathways.		AG.5			
Analyze the interaction among AFNR systems in the production, processing, and management of food, fiber, and fuel and the sustainable use of natural resources.		AG.6			
<b>Environmental Service Systems</b>			<b>AG-ENV</b>		
Use tools, equipment, machinery, and technology common to tasks in environmental service systems.			AG-ENV.5		
<b>Power, Structural, &amp; Technical Systems</b>			<b>AG-PST</b>		
Apply physical science principles and engineering applications to solve problems and improve performance in AFNR power, structural, and technical systems.			AG.PST.1		
Operate and maintain AFNR mechanical equipment and power systems.			AG.PST.2		
Service and repair AFNR mechanical equipment and power systems.			AG.PST.3		
Plan, build, and maintain AFNR structures.			AG.PST.4		
Use control, monitoring, geospatial, and other technologies in AFNR power, structural, and technical systems.			AG.PST.5		

<b>FFA - Career Ready Practices</b>			
Act as a responsible and contributing citizen and employee.			CRP.1
Apply appropriate academic and technical skills.			CRP.2
Communicate clearly, effectively, and with reason.			CRP.4
Consider the environmental, social, and economic impacts of decisions.			CRP.5
Demonstrate creativity and innovation.			CRP.6
Utilize critical thinking to make sense of problems and persevere in solving them.			CRP.8
Model integrity, ethical leadership, and effective management.			CRP.9
Plan education and career path aligned to personal goals.			CRP.10
Work productively in teams while using cultural/global competence.			CRP.12
<b>Supervised Agricultural Experience - Career Ready Practices</b>			
Act as a responsible and contributing citizen and employee.			CRP.1
Apply appropriate academic and technical skills.			CRP.2
Attend to personal health and financial well-being.			CRP.3
Communicate clearly, effectively, and with reason.			CRP.4
Utilize critical thinking to make sense of problems and persevere in solving them.			CRP.8
Model integrity, ethical leadership, and effective management.			CRP.9
Plan education and career path aligned to personal goals.			CRP.10
Use technology to enhance productivity.			CRP.11
Work productively in teams while using cultural/global competence.			CRP.12